





<b><i>Sunday, June 12, 2011</i></b>	
<b>20:00–22:00</b>	<b>REGISTRATION &amp; WELCOME DRINK</b> – reception desk, <b><i>Hotel Lero</i></b> , Dubrovnik, I. Vojnovića 14


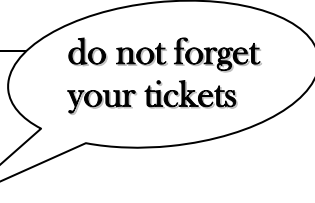
<b><i>Monday, June 13, 2011</i></b>	
<b>8:30–9:30</b>	<b>REGISTRATION – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4
<b><i>Lectures – IUC</i></b> Inter–University Centre, Dubrovnik, don F. Bulića 4	
<b>9:30–10:10</b>	<b>OPENING CEREMONY – ADDRESSES</b> <i>Krunoslav PISK</i> , Director of the Inter–University Centre, Dubrovnik <i>Mateo MILKOVIĆ</i> , President of the University of Dubrovnik <i>Nada BRUER–LJUBIŠIĆ</i> , Executive Secretary of the Inter–University Centre, Dubrovnik <i>Ante GRAOVAC</i> , Director of the MCC 2011
<b>LAUDATIO TO Sean P. McGLYNN</b>	
Chairman: Krunoslav <b>PISK</b>	
<b>10:10–10:30</b>	<i>Leo KLASINC</i> <b>PROFESSOR SEAN P. McGLYNN: 25+ YEARS WITH HIM AT LSU</b>
<b>HONOUREE'S LECTURE</b>	
Chairman: Leo <b>KLASINC</b>	
<b>10:30–11:30</b>	<i>Sean P. McGLYNN</i> <b>SEVENTY YEARS OF SCIENCE: A RETROSPECTIVE</b>
<b>11:30–12:00</b>	 <b>Coffee Break</b>
Chairman: Sean P. <b>McGLYNN</b>	
<b>12:00–12:20</b>	<i>Krunoslav PISK</i> <b>THE 300<sup>TH</sup> ANNIVERSARY OF THE BIRTH OF RUĐER JOSIP BOŠKOVIĆ A FAMOUS CROATIAN PHILOSOPHER AND SCIENTIST</b>
<b>12:20–13:00</b>	<i>Jerzy CIOŚLOWSKI</i> <b>SHELL MODEL OF ASSEMBLIES OF EQUICHARGED PARTICLES SUBJECT TO RADIAL CONFINING POTENTIALS</b>



<b><i>Monday, June 13, 2011</i></b>	
<b>Lectures – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4	
<b>GRAPHS WITH APPLICATIONS</b>	
Chairman: Jerzy CIOŚLOWSKI	
<b>15:00–15:40</b>	<i>Stu WHITTINGTON</i> <b>COMBINATORIAL MODELS IN POLYMER PHYSICS</b>
<b>15:40–16:20</b>	<i>Gilles CAPOROSSI</i> <b>AutoGraphiX III: OVERVIEW OF THE NEW SYSTEM</b>
<b>16:20–16:40</b>	Break
Chairman: Stu WHITTINGTON	
<b>16:40–17:10</b>	<i>Yaser ALIZADEH, Ali IRANMANESH</i> <b>AN ALGORITHM FOR COMPUTING SOME TOPOLOGICAL INDICES BASED ON DISTANCE</b>
<b>17:10–17:40</b>	<i>Jelena SEDLAR, Damir VUKIČEVIĆ, Sarah Michele RAJTMAJER</i> <b>ON ORDERING ALKANES BY MODIFIED ZAGREB INDICES</b>
<b>17:40–18:10</b>	<i>Darko BUTINA</i> <b>HISTORY OF 161 YEARS OF DAILY TEMPERATURE PATTERNS AT ARMAGH (UK) WEATHER STATION FROM THE THERMOMETER POINT OF VIEW</b>
<b>18:30</b>	<b>GUIDED CITY TOUR</b> meeting point: in front of the Western Gate of the Old Town (PILE GATE)



<b>Tuesday, June 14, 2011</b>	
<b>Lectures – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4	
<b>GRAPHS WITH APPLICATIONS</b>	
Chairman: Tomislav <b>DOŠLIĆ</b>	
<b>9:30–10:10</b>	<i>Ali Reza ASHRAFI</i> <b>DISTANCE–BASED TOPOLOGICAL INDICES OF FULLERENES</b>
<b>10:10–10:30</b>	<i>Mahdieh AZARI, Ali IRANMANESH, Abolfazl TEHRANIAN</i> <b>COMPUTATION OF TWO TOPOLOGICAL INDICES AND THEIR CORRESPONDING POLYNOMIALS FOR SOME GRAPH OPERATIONS</b>
<b>10:30–10:50</b>	<i>Afshin BEHMARAM, Hassan YOUSEFI–AZARI, Ali Reza ASHRAFI</i> <b>ON THE NUMBER OF SMALL PATHS, INDEPENDENT SETS AND MATCHINGS OF FULLERENES</b>
<b>10:50–11:20</b>	 Coffee Break
Chairman: Ali Reza <b>ASHRAFI</b>	
<b>11:20–11:40</b>	<i>Sarah Michele RAJTMAJER, Damir VUKIČEVIĆ</i> <b>A FAST APPROACH TO THE DETECTION OF ALL–PURPOSE HUBS AND COMMUNITIES IN COMPLEX NETWORKS</b>
<b>11:40–12:00</b>	<i>Snježana MAJSTOROVIĆ, Antoaneta KLOBUČAR</i> <b>k–DOMINATION ON HEXAGONAL CHAIN CACTI</b>
<b>Course – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4	
Chairman: Anthony J. <b>GUTTMANN</b>	
<b>15:00–15:40</b>	<i>Stu WHITTINGTON</i> <b>SELF–AVOIDING WALKS – Part I</b>
<b>15:40–16:00</b>	Break
<b>16:00–16:40</b>	<i>Stu WHITTINGTON</i> <b>SELF–AVOIDING WALKS – Part II</b>
<b>20:30</b>	<b>Sarah Michele Rajtmajer – Flute Concert</b> <i>School of Arts Luka Sorkočević</i> Strossmayerova 3, Dubrovnik

<b>Wednesday, June 15, 2011</b>	
<b>Lectures – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4	
<b>MATHEMATICS WITH APPLICATIONS</b>	
Chairman: Svjetlan FERETIĆ	
<b>9:30–10:10</b>	<i>Dragutin SVRTAN</i> <b>HYPERBOLIC ANALOG OF THE EASTWOOD–NORBURY FORMULA FOR ATIYAH DETERMINANT</b>
<b>10:10–10:50</b>	<i>Anthony J. GUTTMANN</i> <b>LATTICE GREEN FUNCTIONS AND SPANNING TREES</b>
<b>10:50–11:20</b>	 Coffee Break
<b>Course – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4	
Chairman: Dragutin SVRTAN	
<b>11:20–12:00</b>	<i>Anthony J. GUTTMANN</i> <b>SOLVABLE SUBSETS OF SELF-AVOIDING WALKS AND POLYGONS – Part I</b>
<b>12:00–12:20</b>	 Coffee Break
<b>12:20–13:00</b>	<i>Anthony J. GUTTMANN</i> <b>SOLVABLE SUBSETS OF SELF-AVOIDING WALKS AND POLYGONS – Part II</b>

<b>Wednesday, June 15, 2011</b>
<b>Posters – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4
<b>Moderator:</b> Damir VUKIČEVIĆ
Posters given below are exhibited from <b>15:00</b> , and are open for discussion till <b>17:00</b> .
<u>Mehdi ALAEIYAN, Rasoul MOJARAD, Jafar ASADPOUR</u> <b>A NEW METHOD FOR COMPUTING <math>\Pi</math> AND SZEGED INDICES OF EXTENDED BRIDGE GRAPH AND ITS APPLICATION IN NANOSTRUCTURES</b>
<u>Gholam Hossein FATH–TABAR</u> <b>ON THE SYMMETRY OF (3,6)–FULLERENES</b>
<u>Petra GALER, Berta KOŠMRLJ, Boris ŠKET</u> <b>PHOTOPHYSICAL AND PHOTOCHEMICAL PROPERTIES OF METHOXY CURCUMINOIDS AND THEIR <math>\text{BF}_2</math>–DERIVATIVES</b>
<u>Leila JADIDOLSLAM, ALI IRANMANESH</u> <b>THE HOSOYA POLYNOMIAL OF A <math>\text{TUC}_4\text{C}_8(\text{S})</math> NANOTORUS</b>
<u>Abdelmalek KHORIEF NACEREDDINE, Abdelhafid DJEROUROU</u> <b>A DFT STUDY OF THE SOLVENT EFFECTS ON THE MECHANISM, REGIO– AND STEREOSELECTIVITIES OF 1,3–DIPOLAR CYCLOADDITION OF C–DIETHOXYPHOSPHORYL–N–METHYLNITRONE WITH SUBSTITUTED ALKENES</b>
<u>Nataša KOVAČEVIĆ, Anton KOKALJ</u> <b>DFT STUDY OF INTERACTION OF AZOLE CORROSION INHIBITORS WITH Cu(111) SURFACE</b>
<u>Majid MONEM ZADEH, Aghileh EBRAHIMI</u> <b>BFFT APPROACH OF <math>U(1)</math> MASSIVE BOSON IN NON–COMMUTATIVE SPACE</b>
<u>Iulia PAUSESCU, Raluca POP, Adriana MARIESCU, Mihai MEDELEANU</u> <b>ANTHOCYANINES ANTIOXIDANT ACTIVITY BY COMPUTATIONAL METHODS</b>
<u>Slavko RADENKOVIĆ, Patrick BULTINCK</u> <b>RING CURRENTS IN POLYCYCLIC SODIUM CLUSTERS</b>
<u>Nenad RAOS, Ante MILIČEVIĆ</u> <b>A MODEL TO ESTIMATE STABILITY CONSTANTS OF AMINO–ACID CHELATES WITH Cu(II) AT DIFFERENT IONIC STRENGTHS</b>
<u>Masoud SALAVATI–NIASARI</u> <b>SYNTHESIS OF COBALT SULFIDE NANOPARTICLES BY SIMPLE HYDROTHERMAL METHOD</b>
<u>Milena SOŠIĆ</u> <b>COMPUTING CONSTANTS IN SOME SUBSPACES OF FREE UNITAL ASSOCIATIVE COMPLEX ALGEBRA</b>
<u>Ivana ŠAGUD, Fabio FARAGUNA, Željko MARINIĆ, Marija ŠINDLER–KULYK</u> <b>PHOTOCHEMICAL APPROACH TO NAPHTHOXAZOLES AND FUSED HETEROBENZOXAZOLES FROM 5–(PHENYL/HETEROARYLETHENYL)OXAZOLES</b>
<u>Mehdi TAHERI, Gholam Hossein FATH–TABAR</u> <b>COMPUTING THE ENERGY OF TWO TYPES OF DENDRIMERS</b>

<b>Thursday, June 16, 2011</b>	
<b>Course – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4	
Chairman: Veljko ZLATIĆ	
<b>9:30–10:10</b>	<i>Robert GLASER, Avital STEINBERG</i> <b>IDENTICAL, SIMILAR, OR DIFFERENT: QUANTIFICATION OF PSEUDOSYMMETRY RELATIONSHIPS IN MOLECULAR CRYSTALS – Part I</b>
<b>10:10–10:20</b>	Break
<b>10:20–11:00</b>	<i>Robert GLASER, Avital STEINBERG</i> <b>IDENTICAL, SIMILAR, OR DIFFERENT: QUANTIFICATION OF PSEUDOSYMMETRY RELATIONSHIPS IN MOLECULAR CRYSTALS – Part II</b>
<b>12:30</b>	<b>EXCURSION – details will be given on the spot</b> do not forget your tickets
	<b>CONFERENCE DINNER –</b> <b>info on place and time will be</b> <b>given on the spot</b> 
	

<b>Friday, June 17, 2011</b>	
<b>Lectures – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4	
<b>GRAPHS WITH APPLICATIONS</b>	
Chairman: Mihai V. PUTZ	
<b>9:30–10:00</b>	<i>Modjtaba GHORBANI</i> A NOTE ON VERTEX TRANSITIVE GRAPHS
<b>10:00–10:40</b>	<i>Svjetlan FERETIĆ</i> GENERATING FUNCTIONS FOR TRI–WALL POLYGONS
<b>10:40–11:00</b>	 Coffee Break
Chairman: Dražen VIKIĆ–TOPIĆ	
<b>11:00–11:40</b>	<i>István LÁSZLÓ, Miklós KERTÉSZ, Brad SLEPETZ</i> SIMULATION OF LARGE MULTI–ATOM VACANCIES IN DIAMOND
<b>11:40–12:20</b>	<i>Mihai V. PUTZ</i> ELECTRONEGATIVITY AND CHEMICAL HARDNESS: RELIABLE QUANTUM TOOLS FOR CHEMICAL STRUCTURE AND REACTIVITY
<b>12:20–13:00</b>	<i>Veljko ZLATIĆ</i> ENHANCEMENT OF THERMAL TRANSPORT IN CORRELATED MULTILAYERS
<b>13:00</b>	 <b>IUC – RECEPTION</b> <b>IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4
<b>GRAPHS WITH APPLICATIONS</b>	
Chairman: István LÁSZLÓ	
<b>15:00–15:30</b>	<i>Mohammad A. IRANMANESH, Lida ZABOLIZADEH</i> ON SOME TOPOLOGICAL INDICES AND RELATED POLYNOMIALS FOR A FAMILY OF DENDRIMERS
<b>15:30–16:00</b>	<i>Ali MADANSHEKAF</i> ATOM–BOND CONNECTIVITY INDEX OF SOME NANOSTARS

<b>Saturday, June 18, 2011</b>	
<b>Lectures – IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4	
<b>THEORY &amp; APPLICATIONS</b>	
Chairman: Ali <b>IRANMANESH</b>	
<b>9:00–9:30</b>	<i>Anita ŠIMIĆ, Fred BARET, Jean–F. HANOCQ, Remi LECERF, Fernando de la CRUZ TERCERO, Aleixandre VERGER</i> <b>APPROACH FOR VALIDATION OF GEOLAND2 PRODUCTS USING PASTiS 57 (AUTONOMOUS LIGHT SENSORS FOR PAI CONTINUOUS MONITORING): BIOPHYSICAL PRODUCTS TRENDS OVER EUROPE</b>
<b>9:30–9:50</b>	<i>Tomislav CVITAŠ, Leo KLASINC, Brunislav MATASOVIĆ</i> <b>PHOTOCHEMICAL POLLUTION LEVEL ASSESSMENT OVER THE UK BASED ON OZONE DATA 1990–2006</b>
<b>9:50–10:20</b>	<i>Urban BREN, Matej PRAPROTNIK, Matevž BREN, Dušanka JANEŽIČ</i> <b>ROTATIONAL MOTION AND THE SOLVATION PROPERTIES OF WATER – IMPLICATIONS FOR THE USE OF MICROWAVE IRRADIATION</b>
<b>10:20–10:50</b>	<i>Jane BOGDANOV, Bogdan BOGDANOV</i> <b>MOMENT OF INERTIA OF CHIRAL MOLECULES AS A PARAMETER FOR CALCULATING OPTICAL ROTATION: CONFORMATIONAL EFFECTS IN 2-SUBSTITUTED BUTANES</b>
<b>10:50–11:10</b>	 Coffee Break
<b>GRAPHS WITH APPLICATIONS</b>	
Chairman: Urban <b>BREN</b>	
<b>11:10–11:40</b>	<i>Tomislav DOŠLIĆ</i> <b>COUNTING CONJUGATED CIRCUITS IN BENZENOID CHAINS</b>
<b>11:40–12:10</b>	<i>Primož LUKŠIČ</i> <b>FAMILIES OF DISTANCE–BALANCED GRAPHS</b>
<b>12:10–12:20</b>	CLOSING OF THE MEETING
<b>12:20</b>	 <b>FAREWELL DRINK</b> <b>IUC</b> Inter–University Centre, Dubrovnik, don F. Bulića 4